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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/087,095

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Hideaki Ono

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EXAMINER

SALAD, ABDULLAHI ELM I

ART UNIT

PAPER NUMBER

2457

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/087,095	Applicant(s) ONO ET AL.	
	Examiner Salad Abdullahi	Art Unit 2457	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 January 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3-11 and 14-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3,4,7,8, 11 and 14 is/are allowed.
- 6) ☒ Claim(s) 5 and 6 is/are rejected.
- 7) ☐ Claim(s) 9,10,15 and 16 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/5/2009 has been entered.
2. Claims 3-4, 7-8, and 13-14 are allowed.

Allowable Subject Matter

3. Claims 9-10- and 15-16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

1. Applicant's argument with respect to claims 5 and 6, has been fully considered but are not persuasive for the following reason.

Applicant alleges "Rajalme fails to teach extracting identifying information specific to a mobile IP terminal from an arrival packet having a destination designated to a plurality of servers with a representative address; and determining a single destination server, from among the plurality of servers corresponding to the destination of the packet, to be connected based on the identifying information, and rewriting the destination of the packet to be changed into the destination server from the plurality of

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servers, and to be transmitted to the destination server, as claimed in claim 1, and similarly recited in claims 5 and 6".

Examiner respectfully disagrees ,because Rajalme discloses replacing means may be provided to replace a care-of address in a source address field of said matching packet with a the home address as specified in said matching binding cache entry and routing means may be provided to route the packet to a correspondent node specified by the destination address in the packet. To this effect, the contents of the incoming packet are modified in order to replace the care-of address in the source address field with the home address of the mobile node 1 as specified by either the binding cache entry or a possible mobile IP home address option.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rajahalme U.S. Patent Application Publication No. 2004/0181603 A1 [hereinafter Rajahalme] in view of Sain-Hilaire et al., U.S. Patent Application Publication No. 2006/0083209 [hereinafter Sain-Hilaire].

As per claim 5, Rajahalme discloses a load balancer comprising:

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extracting means identifying information specific to a mobile IP terminal from an arrival packet having a destination designated to a plurality of servers with a representative address(see paragraph 0047);

requesting means requesting a home agent to notify a change of a care-of address when the care-of address of a terminal has changed upon an arrival of a first packet addressed to a server (see paragraphs 041 and 0047-048); and

means for determining a destination server to be connected by regarding the notified care-of address as identifying information, the destination server corresponding to a destination of the packet (see fig. 1 and paragraph 0041 and 0047);and

wherein the destination server is associated with the mobile IP terminal according to a load balancing algorithm, and rewriting the destination of the packet to be changed into the destination server from the plurality of servers, and to be transmitted to the destination server (see fig. 1 and paragraphs 0047-0048).

Rajahalme is silent regarding: wherein the mobile terminal can communicate with the single destination server before mad after the mobile IP terminal moves from one network to another network.

Sain-Hilaire in an analogous art discloses a system where a mobile IP node roams between internal network and external network wherein the mobile terminal can communicate with the single destination server (home agent 210) before mad after the mobile IP terminal moves from one network to another network (see paragraph 0017 and 0032). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention presented with teaching Rajahalme to incorporate the

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teachings of Sain-Hilaire such as enabling the mobile terminal to communicate with the single destination server (home agent 24) before mad after the mobile IP terminal moves from one network to another network to provide/maintain uninterrupted communication between the mobile-device and the server as the mobile-device moves from one network location (28a) to another location (28n).

As per claim 6, Rajahalme discloses a load balancer (see fig. 1, element 5 and paragraph 0043) comprising:

extracting means identifying information specific to a mobile IP terminal from an arrival packet having a destination designated to a plurality of servers with a representative address(see paragraph 0047);

means for requesting a terminal to notify a change of a care-of address when the care-of address of the terminal has changed upon an arrival of a first packet addressed to a server(see paragraphs 041 and 0047-048);

means for determining a single destination server to be connected by regarding the notified care-of address as identifying information , the destination server corresponding to a destination of the packet (see fig. 1 and paragraph 0041 and 0047);and

wherein the destination server is associated with the mobile IP terminal according to a load balancing algorithm and rewriting the destination of the packet to be changed into the destination server from the plurality of servers, and to be transmitted to the destination server (see fig. 1 and paragraph 0047 and 0049); (see paragraph 0047-0048)

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Rajahalme is silent regarding: wherein the mobile terminal can communicate with the single destination server before mad after the mobile IP terminal moves from one network to another network.

Sain-Hilaire in an analogous art discloses a system where a mobile IP node roams between internal network and external network wherein the mobile terminal can communicate with the single destination server (home agent 210) before mad after the mobile IP terminal moves from one network to another network (see paragraph 0017 and 0032). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention presented with teaching Rajahalme to incorporate the teachings of Sain-Hilaire such as enabling the mobile terminal to communicate with the single destination server (home agent 24) before mad after the mobile IP terminal moves from one network to another network to provide/maintain uninterrupted communication between the mobile-device and the server as the mobile-device moves from one network location (28a) to another location (28n).

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Salad E Abdullahi whose telephone number is 571-272-4009. The examiner can normally be reached on 8:30 - 5:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is **571-272-8300**.

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4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Salad Abdullahi/
Primary Examiner, Art Unit 2457